Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/27/2021 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124405	-1	2.96	124349	2.92
Blue	F	SSC	125000	123488	-2	4.59	123947	4.61
Blue	E	FITC	14400	13794	-5	3.40	317	15.68
Blue	D	PE	24713	24391	-2	3.04	558	10.78
Blue	B	PerCP-Cy5-5	31796	31081	-3	3.80	1026	14.54
Blue	A	PE-Cy7	21240	21030	-1	5.74	562	28.77
Red	C	APC	41319	40718	-2	3.66	1702	11.21
Red	A	APC-Cy7	21019	20281	-4	3.93	759	11.76
Violet	B	V450	7305	7114	-3	4.00	432	12.44
Violet	A	V500	28652	27542	-4	3.59	688	9.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23403	2.95	561	-8	N/A	N/A	Pass
Blue	F	SSC	57259	3.56	517	5	N/A	N/A	Pass
Blue	E	FITC	58	52.95	489	-2	0.0409	31	Pass
Blue	D	PE	117	37.07	487	0	0.4912	389	Pass
Blue	B	PerCP-Cy5-5	191	34.63	583	-1	0.0202	28	Pass
Blue	A	PE-Cy7	111	66.72	630	0	0.0226	0	Pass
Red	C	APC	394	23.08	575	2	0.0306	183	Pass
Red	A	APC-Cy7	171	27.61	545	0	0.0065	1226	Pass
Violet	B	V450	60	62.17	458	2	0.0645	2328	Pass
Violet	A	V500	98	32.29	471	1	0.0252	513	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.31	-31.97	0.98
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.36	15.99 - 23.99	N/A	N/A	30.26	30.64	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 12791

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments